

I. Listing of Claims

1. (Currently Amended) A balancing device for a tire mounted to a wheel, said balancing device comprising:

a case having at least one surface thereon; ~~and~~

a single balancing weight enclosed in said case; and ~~; said at least one surface of said case having means for mounting said case to said tire.~~

means for mounting said at least one surface of said case to said tire.

2. (Previously Presented) A device according to claim 1, wherein said weight is made of a lead material.

3. (Previously Presented) A device according to claim 1, wherein said weight is made of iron alloy.

4. (Previously Presented) A device according to claim 1, wherein said weight is made of zinc and aluminum alloy.

5. (Previously Presented) A device according to claim 1, wherein said weight is made of plastic material.

6. (Previously Presented) A device according to claim 1, wherein said at least one surface includes a convex portion.

7. (Previously Presented) A device according to claim 1, wherein said at least one surface includes a concave portion.

8. (Previously Presented) A device according to claim 1, wherein said at least one surface is at least substantially an arc segment of a cylinder.

9. (Previously Presented) A device according to claim 1, wherein said weight has an approximately rectangular cross section.

10. (Previously Presented) A device according to claim 1, wherein said case has an approximately constant thickness.

11. (Previously Presented) A device according to claim 1, wherein said case is made of a flexible material.

12. (Previously Presented) A device according to claim 1, wherein said case further comprises sections and said weight further comprises passages, said sections passing through said passages of said weight.

13. (Previously Presented) A device according to claim 1, wherein said case is glued to a surface of said weight.

14. (Previously Presented) A device according to claim 1, wherein said at least one surface is delimited by borders that define edges.

15. (Currently Amended) A device according to claim 1, wherein said means for mounting comprises an adhesive applied to said at least one surface ~~is pre-coated with glue. of said case.~~

16. (Currently Amended) A device according to claim 1, wherein said ~~device further~~ means for mounting comprises a an adhesive tape attached to said at least one surface of said case. ~~, the surfaces of said tape being coated with adhesive.~~

17. (Previously Presented) A device according to claim 1, wherein said case is black.

18. (Previously Presented) A device according to claim 1, wherein said case is white.

19. (Previously Presented) A device according to claim 1, wherein said case is green.

20. (Previously Presented) A wheel including a rim having an axis, a tire and a balancing device, said balancing device comprising:

a case having at least one surface thereon; and

a single balancing weight enclosed in said case, said at least one surface of said case being firmly mounted to a surface of a side of said tire.

21. (Previously Presented) A wheel according to claim 20, wherein at least one said balancing device is mounted to each side of said tire.

22. (Previously Presented) A wheel according to claim 20, wherein said balancing device is mounted along a side of said tire close to said rim.

23. (Previously Presented) A wheel according to claim 20, wherein said tire further comprises a section of maximum width, said balancing device being mounted radially between said rim and said section of maximum width.

24. (Previously Presented) A wheel according to claim 20, wherein said tire further comprises a sidewall, said balancing device being radially mounted along the inside of said sidewall.

25. (Previously Presented) A wheel according to claim 24, wherein said balancing device is radially mounted along the outside of said sidewall.

26. (Previously Presented) A wheel according to claim 20, wherein said tire further comprises a circumferential groove therein, said balancing device being engaged in said circumferential groove.

27. (Previously Presented) A wheel according to claim 20, wherein said rim further comprises an edge thereon and a circumferential groove defined between said tire and said edge of said rim, said balancing device being engaged in said circumferential groove.

28. (Previously Presented) A wheel according to claim 20, wherein said balancing device is firmly mounted to said tire by gluing.

29. (New) A device according to claim 1, wherein said means for mounting comprises an adhesive applied to said tire.

30. (New) A device according to claim 1, wherein said means for mounting comprises a circumferential groove in said tire, said circumferential groove being adapted to engage and retain said balancing device.

31. (New) A device according to claim 1, wherein said device further comprises means for identifying the weight characteristic for said tire mounted to said wheel.

32. (New) A device according to claim 31, wherein said means for mounting comprises mounting said at least one surface of said case to said tire at a predetermined location established by said means for identifying said weight characteristic for said tire mounted to said wheel, whereby said predetermined location is optimally selected such that said tire mounted to said wheel is balanced by a single one of said balancing device.

33. (New) A wheel assembly according to claim 20, wherein said balancing device further comprises means for identifying the weight characteristic for said tire mounted to said rim.

34. (New) A wheel assembly according to claim 33, wherein said at least one surface of said is mounted to said tire at a predetermined location established by said means for identifying said weight characteristic for said tire mounted to said rim, whereby said predetermined location is optimally selected such that said tire mounted to said rim is balanced by one said balancing device.